

SECRET

PRIORITY

OUT 60678

P 160008Z DEC 66

66 DEC 16 00 55Z

FM NPIC WASHDC

TO AIG NINE SEVEN FIVE

BT

SECRET CITE NPIC 9342.

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-935, 14 DEC 66.
(TEXT WHICH FOLLOWED WAS IDENTICAL TO MISSION CITED ABOVE.)

SECRET

--END OF MESSAGE--

16 DEC 1966

SECRET

S/C NOTE: ALSO PASSED

SECRET

25X1
GROUP
Excluded from automatic
downgrading and
declassification

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-935, 14 DEC 66. *Take to*
THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C @CLEAR#, SC @SCATTERED CLOUD COVER#, HC @HEAVY CLOUD COVER#,
H @HAZED#, CS @CLOUD SHADOW#, SD @SEMITDARKNESS#, GC
@GROUND COVER#, CF @CAMOUFLAGE#, O @OBLIQUITY#, AND
GR @GROUND RESOLUTION#.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD#, F @FAIR#, OR P @POOR#. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL# OR PT @PARTIAL#. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO#, NS @NONSTEREO#, OR PS @PARTIAL STEREO#.

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT @ZPU-2, ZPU-4, AND 37MM#, MEDIUM @57MM AND 85MM#, AND HEAVY 2010MM AND LARGER#. WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED#.

MISSILES

MALDONADO SAM SITE A18-2 CU 2012N 07528W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES#, 7 MISSILE TRANSPORTERS, AND A PROBABLE FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS AND 15 TRACKED PRIME MOVERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.
OBLIQUITY LIMITS INTERPRETATION.

25X1

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W
PERMANENT SITE REMAINS UNDER CONSTRUCTION.
OB @AT ADJACENT TEMPORARY SITE# -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES#, 10 MISSILE TRANSPORTERS @3 WITH EXPOSED MISSILES, 7 CANVAS COVERED#, A GUIDANCE AREA WITH FAN SONG RADAR AND 7 ASSOCIATED VAN TRAILERS, 2 OTHER VAN TRAILERS, 13 CARGO TRUCKS, AND 6 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W
OB -- 6 EMPLACED LAUNCHERS @AT LEAST 2 WITH MISSILES#, 7 MISSILE TRANSPORTERS, AND AN OCCUPIED CENTRAL GUIDANCE AREA.
OBLIQUITY LIMITS INTERPRETATION.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W
OB -- 6 MISSILE TRANSPORTERS @2 WITH EXPOSED MISSILES#, NUMEROUS MISSILE CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, Approved For Release 2008/02/21 : CIA-RDP78B04558A001500030060-7

NO APPARENT CHANGE IN FACILITIES
Approved For Release 2008/02/21 : CIA-RDP78B04558A001500030060-7

25X1

SANTIAGO SAM TRAINING AREA CU 1958N 07551W

OB -- AT LEAST 27 VEHICLES OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

25X1

PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W

OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES#, 8 MISSILE
TRANSPORTERS @3 WITH EXPOSED MISSILES#, 1 FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 9 OTHER
VEHICLES.

NO APPARENT CHANGE IN LAUNCH OR SUPPORT FACILITIES.

25X1

CONSTANCIA SAM SITE A10-2 CU 2214N 08030W

OB -- 6 EMPLACED LAUNCHERS @1 WITH MISSILES#, 10 MISSILE
TRANSPORTERS @3 WITH EXPOSED MISSILES#, A FAN SONG
RADAR WITH 6 VAN TRAILERS, 9 AT-S TRACKED PRIME MOVERS,
10 ZIL-157V TRUCK TRACTORS, 18 CARGO TRUCKS, AND 1
TRUCK-MOUNTED CRANE.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA MAYA SAM SITE CU 2014N 07540W

NO APPARENT CHANGE SINCE

25X1

25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W

OB -- 12 FRESCO, 5 FAGOT, 1 CRATE, AND 1 LIAISON.

ACTIVITY -- 10 PROBABLE MIG-17 SHIPPING CRATES REMAIN
TO THE REAR OF THE MAIN PARKING AREA.

25X1

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W

OB -- 2 COKE, 1 CRATE, 1 C-46, 1 C-47, 2 LIAISON, AND
18 HOUND.

25X1

LOS CANOS AIRFIELD CU 2005N 07509W

OB -- NONE OBSERVED.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W

OB -- 1 CRATE AND 2 HOUND.

25X1

JOSE MARTI INTERNATIONAL AIRFIELD CU 2259N 08224W

OB @OPERATIONS AREA# -- 1 CLEAT, 2 BRITANNIA, 2 COOT, 1
PROBABLE CUB, 4 COKE, 7 CRATE, 3 C-46, 1 C-47, 3
LIAISON, AND 1 LIGHT STRAIGHT-WING.

OB @MAINTENANCE AREA# -- 5 CRATE.

25X1

DAIME GONZALES AIRFIELD CU 2209N 08024W

OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1

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25X1

CIENFUEGOS NAVAL BASE 2208N 08027W

OB -- 2 P-6-CLASS PT ON MARINE RAILWAY.

OTHER VESSELS -- 3 LARGE FREIGHTERS AND 1 LARGE TANKER.

SCATTERED CLOUDS LIMIT INTERPRETATION.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W

OB -- NONE OBSERVED.

OTHER VESSELS -- 7 LARGE FREIGHTERS.

25X1

NUEVITAS PORT CU 2132N 07715W

VESSELS -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1

CASILDA PORT CU 2145N 07959W

VESSELS -- NONE OBSERVED.

25X1

ELECTRONICS/COMMUNICATIONS

SANTIAGO DE CUBA EW/GCI RADAR SITE CU 1959N 07551W

~~RU-63~~

2-3

OB -- NONE OBSERVED.

ACTIVITY -- AT LEAST 40 VEHICLES/PIECES OF EQUIPMENT.

OBLIQUITY LIMITS INTERPRETATION.

25X1

SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W

OB -- 1 TOKEN-TYPE RADAR.

25X1

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W

OB -- 23 TANKS/SP GUNS, 40 FA PIECES, 9 MORTARS, 119

CARGO TRUCKS, AND 7 UTILITY TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

2 DOS CAMINOS MILITARY CAMP CU 2014N 07547W

OB -- 45 FA PIECES, 12 AAA PIECES, 43 TRACKED PRIME

MOVERS, AND AT LEAST 12 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

GUANTANAMO AREA CU 2018N 07525W

12 NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

11 AREAS 1, 2, 8 -- 70 PERCENT USEABLE COVERAGE.

10 AREA 3 -- 75 PERCENT USEABLE COVERAGE.

9 AREAS 4, 7 -- 85 PERCENT USEABLE COVERAGE.

8 AREAS 5, 6, 9 -- 90 PERCENT USEABLE COVERAGE.

25X1

6 SANTIAGO DE LAS VEGAS MILITARY CAMP CU 2258N 08220W

5 AT LEAST 120 VEHICLES/PIECES OF EQUIPMENT OBSERVED IN

4 CLOUD-FREE AREAS.

3 NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGI Approved For Release 2008/02/21 : CIA-RDP78B04558A001500030060-7

OB -- NO OBSERVED

Approved For Release 2008/02/21 : CIA-RDP78B04558A001500030060-7

25X1

3 CAMAGUEY MILITARY CAMP CU 2126N 07753W

OB -- 1 VEHICLE/PIECE OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

25X1

CUABITAS MILITARY CAMP CU 2003N 07548W

OB -- 13 TANKS/SP GUNS, 2 CARGO TRUCKS, AND 2 UTILITY TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

EL CRISTO MILITARY INSTALLATION CU 2010N 07547W

OB -- 2 PROBABLE SALISH TRANSPORTERS/LAUNCHERS AND 2 PROBABLE SALISH RESUPPLY VEHICLES.

NO APPARENT CHANGE IN FACILITIES.

25X1

JURAGUA MILITARY ACTIVITY CU 2209N 08035W

OB -- NONE OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

25X1

LA QUINTA MILITARY CAMP CU 2002N 07551W

OB -- 5 FA PIECES, 5 MORTARS, AND 2 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

MANAGUA MILITARY CAMP CU 2258N 08217W

AT LEAST 27 VEHICLES/PIECES OF EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

NO APPARENT CHANGE IN FACILITIES.

25X1

OFELIA MILITARY CAMP CU 2006N 07530W

OB -- 12 TANKS/SP GUNS, 30 FA PIECES, 19 AAA PIECES, 13 MORTARS, 5 TRACKED PRIME MOVERS, 38 CARGO TRUCKS, 3 VAN TRUCKS, AND 1 GRADER.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1

SANTA CLARA ARTILLERY TRAINING AREA CU 2222N 08000W

OB -- 18 MEDIUM AAA PIECES, 11 CARGO TRUCKS, 1 VAN TRUCK, AND 3 CARGO TRAILERS.

NO APPARENT CHANGE IN FACILITIES.

25X1

5 SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W

OB -- AT LEAST 10 PROBABLE MORTARS, 3 PROBABLE AAA PIECES, AND 12 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

4 SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W

OB -- 30 PROBABLE FA PIECES, 21 PROBABLE MORTARS, 1 PROBABLE AAA PIECES, AT LEAST 28 CARGO TRUCKS, 1 VAN TRUCK,

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NO APPARENT CHANGE IN FACILITIES

Approved For Release 2008/02/21 : CIA-RDP78B04558A001500030060-7

25X1

CHORRERA DE MANAGUA MILITARY CAMP W CU 2302N 0821

OB -- 32 PROBABLE BTR 60-P AND 17 CARGO TRUCKS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN FACILITIES.

25X1

LAS MERCEDES VEHICLE PARK CU 2224N 08001W

OB -- 1 TRACTOR TRAILER TRUCK, 14 CARGO TRUCKS, 36

PROBABLE VAN TRUCKS, 3 UTILITY TRUCKS, AND

APPROXIMATELY 40 OTHER VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

25X1

SIBONEY LANDING BEACH CU 1957N 07542W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

PLAYA YATERITAS LANDING BEACH CU 1958N 07457W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MAR VERDE LANDING BEACH CU 1957N 07556W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

IMIAS LANDING BEACH CU 2005N 07440W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MOA @PUNTA GORDA# LANDING BEACH CU 2039N 07453W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MOA @CANANOVA# LANDING BEACH CU 2039N 07502W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

- STATUS OF OTHER TARGETS -

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

SANTA CLARA EW/GCI RADAR SITE 2229N 07956W

RANCHO LUNA LOW SIEVE RADAR SITE 2202N 08025W

SAN MIGUEL EW/GCI RADAR SITE 2229N 07953W

CIENFUEGOS LANDING BEACH 2202N 08036W

ENSENADA COLORADO LANDING BEACH 2202N 08025W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

CIFUENTES SAM ASSEMBLY AREA 2236N 08005W

LA SALUD SAM SITE A04-2 2253N 08224W

SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA 2257N 08221W

MANZANILLO PORT 2021N 07707W

PUNTA MAISI LOW SIEVE RADAR SITE 2014N 07409W

LA SOCAPA LOW SIEVE RADAR SITE 1958N 07552W

G-P-1

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